



FORM PTO 1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DKT. NO.: US-106

APP. NO.: 10/760,283

APPLICANT(S): Asahara et al.

FILING DATE:

January 21, 2004

Group Art Unit:

1651

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUB'N DATE	NAME	CLASS	SUB-CLASS	FILING DATE
JP	USP 3,907,637	23 Sep. 1975	Kiyoshi Nakayama et al	195	29	5 April 1974
JP	USP 3,907,641	23 Sep. 1975	Kiyoshi Nakayama et al	195	49	5 April 1974
JP	USP 5,217,883	8 Jun. 1993	Hideharu Anazawa et al	435	252.3	2 August 1991

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
JP	JP45-25273	21 Aug. 1970	Japan			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	JP50-25790	18 Mar. 1975	Japan	C12D	13/06	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	JP52-18886	12 Feb. 1977	Japan	C12D	13/06	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	WO90/12105	18 Oct 1990	PCT	C12P	13/04	<input type="checkbox"/> Yes <input type="checkbox"/> No
	EP 1188822	20 Mar. 2002	EPO	C12N	1/21	<input type="checkbox"/> Yes <input type="checkbox"/> No
JP	EP0733710	25 Sep. 1996	EPO	C12N	15/54	<input type="checkbox"/> Yes <input type="checkbox"/> No

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JP	Hiroshi Aida et al., Amino Acid Fermentation, Kabushiki Kaisha Gakukai Shuppan Center, 30 May 1986, p. 273-305
	A. T. Moore et al., Genetic Mapping in <i>Methylophilus methylotrophus</i> AS1, Journal of General Microbiology, 1983, p. 785-799, Vol. 129
	Mary L. O'Connor et al., Linkage Relationships Between Mutants of <i>Methylobacterium organophilum</i> Impaired in their Ability to Grow on One-carbon Compounds, Journal of General Microbiology, 1978, p. 105-111, Vol. 104
	J. D. Windass, Improved conversion of methanol to single-cell protein by <i>Methylophilus methylotrophus</i> , Nature, 1980, p. 396-401, Vol. 287
	C. S. Kim et al., Creating auxotrophic mutants in <i>Methylophilus methylotrophus</i> AS1 by combining electroporation and chemical mutagenesis, Appl. Microbiol. Biotechnol., 1997, p. 105-108, Vol. 48
JP	Shin-ichi Matsuyama et al., Construction and Characterization of a Deletion Mutant Lacking <i>micF</i> , a Proposed Regulatory Gene of <i>OmpF</i> Synthesis in <i>Escherichia coli</i> , Journal of Bacteriology, June 1985, p. 1196-1202, Vol. 162, No. 3

EXAMINER	<i>John F. Kelley</i>	DATE CONSIDERED	08/03/06
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

Dec 21, 2004

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUB'N DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>Wol</i>	2004/0146974	7-29-2004	Gunji et al.			11-20-2003
	10/716470		Gunji et al.			11-20-2003
	2004/0142435	7-22-2004	Gunji et al.			11-20-2003
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	2004/0166570	8-26-2004	Yasueda et al.			2-6-2004
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<i>WJ</i>	2004/0191875	9-30-2004	Takeshita et al.			3-4-2004

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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OTHER (Including Author, Title, Date, Pertinent Pages, Publisher, etc.)

EXAMINER <i>Hebert / Selby</i>	DATE CONSIDERED <i>08/03/06</i>
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Dec 22, 2004

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUB'N DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>dy</i>	2004/0171134	9-2-2004	Yasueda et al.	—	—	1-7-2004

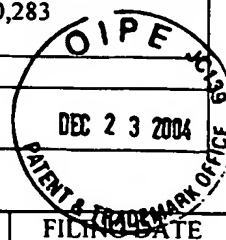
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EXAMINER <i>Helena Reed</i>	DATE CONSIDERED <i>08/03/06</i>
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
HJ	EP 1 266 966 A	18 Dec. 2002	EPO	C12N	15/31	<input type="checkbox"/> Yes <input type="checkbox"/> No
HJ	Search Report	22 Oct. 2004 ✓	French Intellectual Property Office			<input type="checkbox"/> Yes <input type="checkbox"/> No
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						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No

OTHER (Including Author, Title, Date, Pertinent Pages, Publisher, etc.)

HJ	Motoyama, H., et al., "Overproduction of L-Lysine from Methanol by <i>Methylobacillus glycogenes</i> Derivatives Carrying a Plasmid with a Mutated <i>dapA</i> Gene", Applied and Environmental Microbiology, 2001, Vol. 67, No. 7, p. 3064-3070
HJ	Lee, G. H., et al., "Lysine Production from Methanol at 50°C Using <i>Bacillus methanolicus</i> : Modeling Volume Control, Lysine Concentration, and Productivity Using a Three-Phase Continuous Simulation", Biotechnology and Bioengineering, 1996, Vol. 49, p. 639-653
HJ	Tani, Y., et al., "Production of L-Serine by a Methanol-utilizing Bacterium, <i>Arthrobacter globiformis</i> SK-200", Agric. Biol. Chem., 1978, Vol. 42, No. 12, p. 2275-2279
HJ	Gunji, Y., et al., "Characterization of the L-Lysine Biosynthetic Pathway in the Obligate Methylophilus <i>Methylophilus</i> ", Biosci. Biotechnol. Biochem., 2004, Vol. 68, No. 7, 1449-1460

EXAMINER: <i>Herbert J. Selzer</i>	DATE CONSIDERED 08/03/06
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	